

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
11 March 2004 (11.03.2004)

PCT

(10) International Publication Number  
WO 2004/020035 A1

(51) International Patent Classification<sup>7</sup>: A61M 39/00, B65H 75/50

(21) International Application Number: PCT/DK2003/000568

(22) International Filing Date: 1 September 2003 (01.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: PA 2002 01285 2 September 2002 (02.09.2002) DK

(71) Applicant (for all designated States except US): UN-OMEDICAL A/S [DK/DK]; Engmosen 1, DK-3540 Lyng (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MOGENSEN, Lasse, Wesseltoft [DK/DK]; Jacob Bulls Allé 100, DK-2860 Soborg (DK). GÖRANSSON, Magnus, Walter [SE/SE]; Folkungagatan 11, S-41 102 Göteborg (SE).

(74) Agent: ZACCO DENMARK A/S; Hans Bekkevolds Alle 7, DK-2900 Hellerup (DK).

(81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT (utility model), PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

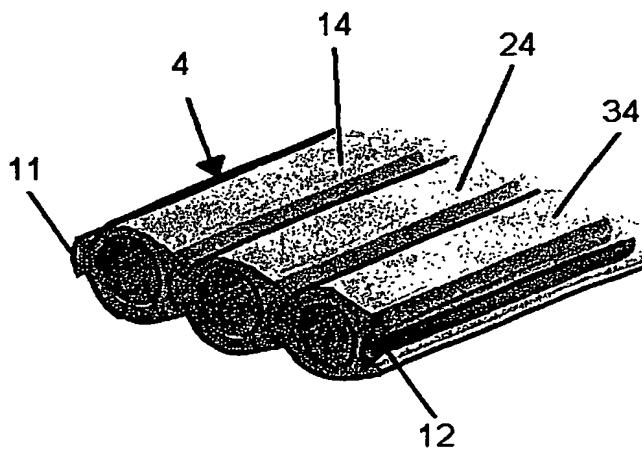
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A DEVICE FOR SUBCUTANEOUS ADMINISTRATION OF A MEDICAMENT TO A PATIENT AND TUBING FOR SAME



(57) Abstract: The invention relates to a device for subcutaneous administration of a medicament to a patient, comprising a cannula housing (1) with an interior chamber; a cannula (2) connected to the cannula housing (1) and being in flow communication with the interior chamber; a tubing (4) manufactured from a flexible material and having a first end (4'), coupled to the cannula housing (1) in such a manner that the tubing (4) is in flow communication with the interior chamber; and wherein the tubing (4), at the other end, carries a source coupling (5), by which the tubing can be coupled to a source for said medicament. The invention is characterised in that, at least over a section of its length, the tubing comprises a longitudinally extending, external groove (12) and a longitudinally extending, external protrusion (11) arranged diametrically opposite the groove (12) and complementary with said groove (12); and that, using the flexibility of its material, the groove (12) is configured for being

able to receive and secure the protrusion (11) in a releasable manner in a configuration of the tubing (4), in which the tubing (4) is folded (9) for forming parallel courses of tubing (14, 24, 34). The invention also relates to a tubing configured for use in said device.

WO 2004/020035 A1

BEST AVAILABLE COPY